Initial Use of eSkooly for Student Records at Cat Ne School

Lê Bảo Ngọc
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student686@ictu.edu.vn

***Abstract*—This undergraduate thesis examines the initial use of eSkooly to manage student records at Cat Ne Primary and Lower Secondary School in Thai Nguyen Province. The student reviews existing paper-based procedures and demonstrates basic software functions for adding, updating, searching, promoting, and communicating about student records. The report describes centralized access as useful for routine handling, but explicitly states that adoption is at an early stage and that long-term effectiveness has not been measured. It also notes that source documents such as birth certificates and school transcripts are not fully digitized in the demonstrated workflow, so paper records remain necessary. This English summary presents the documented functions and implementation limits without claiming verified reductions in staff time, errors, or operating cost. The case is a descriptive starting point for later evaluation of school record management.**

***Index Terms*—student records, school information system, eSkooly, data management, early adoption**

I. Introduction

Schools need accurate, accessible student records across admissions, class changes, attendance, and communication. Cat Ne School maintained paper records and sought better access to information. The thesis asks whether an existing school-management service, eSkooly, can support routine record tasks. Its scope is an early application study at one school, not a new software product or a measured multi-school rollout [1]. Earlier ICTU undergraduate theses on related topics provide context [5], [6], [7], [8], [9], [10], [11]. These works were selected for this English summary and are not attributed to the source thesis bibliography. Published background sources on the methods and domain of this project provide context for the English summary [2], [3], [4].

II. Methods

The student describes the school's current record workflow, surveys available eSkooly functions, and documents step-by-step use with screenshots. Demonstrated activities include creating and editing student entries, account handling, promotion to a new class, messaging, and attendance reporting. The manuscript assesses convenience qualitatively and states practical limitations in its conclusion. It does not report a timed before-and-after study, an error audit, data-migration completeness, or systematic interviews with all teachers and administrators [1].

Supervisor: Bùi Quỳnh Trang, Thai Nguyen University of Information and Communication Technology (bqtrang@ictu.edu.vn).

III. Results

The report demonstrates that basic student information can be entered, updated, searched, and grouped in the service. It shows screens for account creation, class promotion, messaging, and attendance. Centralized data can support retrieval and routine updates, but the thesis describes the deployment as preliminary. The demonstrated system does not contain complete digital copies of original documents, and more advanced data linking, automation, and analytical reporting are not established. The source provides no quantified improvement in processing time or record accuracy [1].

IV. Discussion

A shared software register can reduce some repeated manual lookup, but student records have legal, privacy, access-control, and completeness requirements. The thesis does not verify how those requirements are met in sustained operation. It observes that staff still need paper records and that some users are unfamiliar with the new interface. A subsequent study should document roles and permissions, reconcile digital entries with paper files, test backups and recovery, and measure task time and correction rates over a defined period. Earlier ICTU school and student-management projects offer local technical context, not evidence that this deployment is mature [1].

V. Conclusion

The thesis documents an initial eSkooly workflow for student-record tasks at Cat Ne School and identifies useful basic functions. Its own conclusion limits claims to early adoption; full document digitization, advanced reporting, and measured long-term effectiveness remain open [1].

References

[1] Lê Bảo Ngọc, "Initial Use of eSkooly for Student Records at Cat Ne School," internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2026.
[2] I. Sommerville, Software Engineering, 10th ed. Pearson, 2016.
[3] K. C. Laudon and J. P. Laudon, Management Information Systems: Managing the Digital Firm, 16th ed. Pearson, 2020.
[4] R. S. Pressman and B. R. Maxim, Software Engineering: A Practitioner's Approach, 9th ed. McGraw-Hill Education, 2019. ISBN 9781259872976.
[5] ICTU Student 83, "Program Management for High School Student Grades at Thai Nguyen Specialized High School," internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2009.

[6] ICTU Student 124, ”Development of a Student Grade Management Program for Yen Lap High School, Phu Tho,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2009.
[7] ICTU Student 137, ”Construction of a Website System for Managing and Reporting Student Academic Performance at Cam Duong High School, Lao Cai,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2009.
[8] ICTU Student 139, ”Development of a High School Student Grade Management Software for Giao Thuy High School,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2009.
[9] ICTU Student 146, ”Construction of a Website for Managing and Announcing Academic Performance for Lạc Long Quân High School, Hòa Bình City,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2009.
[10] Đặng Trần Đức Hoàng, ”A Google AppSheet Student Management Application for Sao Viet Education Center,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2024.
[11] Phạm Văn Vĩnh, ”Construction of a Library Management Website with Integrated Intelligent Chatbot Q&A for High School Hiệp Hòa 2, Bắc Giang,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2025.